

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	240026	chang\$3 with frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:11
L2	351169	ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:11
L3	475	spectroscopy with resonant	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:12
L4	4	1 same 2 same 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:14
L5	148	2 near spectroscopy	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:15
L6	42	5 same resonant	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:15
L7	72	5 same (resonant or resonance)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:16
L8	3	1 same 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:16
L9	24	1 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:17
L10	15136	contrast near agent	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:18
L11	130637	phase near shift	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:18
L12	2893526	extract\$4 or enhanc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:24
L13	2873	11 with 12	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:31
L14	5	13 with 10	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:39

## EAST Search History

L15	14912	signal near superimpose\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:39
L16	8344	harmonic near wave	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:41
L17	6	15 with 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:42
L18	1	17 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/04 16:43
L19	1	("5331964").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/04 16:52
S1	350653	ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 13:55
S2	13	phase near abberation	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 13:59
S3	8	phase near aberation	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 13:59
S4	751	phase near aberration	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:06
S5	231	S1 (S2 or S3 or S4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:08
S6	15	acoustic near impedance near map	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:07
S7	35	(acoustic near impedance) with map	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:07
S8	9610	(acoustic near impedance)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:07
S9	1	S5 S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:11
S10	49	S5 S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:20

## EAST Search History

S11	1	S7 same S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:34
S12	2	S8 same S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:45
S13	7406536	discriminat\$3 or separat\$3 or detect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:50
S14	62	S13 with S4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 15:50
S15	24	S14 S1	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/02/28 16:08
S16	6	("4,644,795") or ("4,937,797") or ("5,365,929") or ("6,176,830") or ("6,322,509") or ("6,390,984").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/28 16:08
S17	1	("5517995").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/01 13:47
S18	752	phase near aberration	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:40
S19	9622	(acoustic near impedance)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:26
S20	351043	ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:41
S21	49	S18 S19 S20	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:45
S22	36	acoustic with impedance with map	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:46
S23	1	S18 same S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:48
S24	1	(space near change) with S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:47
S25	0	S18 with discriminate	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:48
S26	3	S18 with discriminat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:27

## EAST Search History

S27	42	S18 with detect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:51
S28	296	S18 with correct\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:51
S29	12	S27 S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 14:52
S30	5	S19 with (phase near delay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:26
S31	24314	(phase near delay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:26
S32	147	S31 with discriminat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:28
S33	2	S20 S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/01 15:28
S34	7669	displa\$3 near phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:58
S35	351043	ultraso\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:55
S36	325	S34 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:55
S37	752	phase near aberration	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:55
S38	6	S36 S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:55
S39	3223	(display or displayed or displaying) near phase	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:58
S40	1	S39 S35 S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 15:58
S41	9	S39 S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:07

## EAST Search History

S42	111	S37 (least near squares)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:08
S43	18	S37 ((least near squares) same (filtering or filtered or filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:26
S44	22	lateral same ((least near squares) same (filtering or filtered or filter))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:13
S45	130609	phase near shift	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:14
S46	1	S44 same S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:14
S47	4	S44 S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:14
S48	71033	phase with (corrected or correcting or correction or correct)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:27
S49	7420	(square or squaring or squared) with complex	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:28
S50	107	S48 same S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:28
S51	7	S50 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:39
S52	2	(harmonic near wave) same superimpose same (fundamental near wave)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:40
S53	32	harmonic same superimpose same fundamental	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:40
S54	0	S53 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:40
S55	8	harmonic same superimpose same sine	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:43
S56	5	(whitening near filter) same (low near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:45

## EAST Search History

S57	15	(whitening near filter) same (low near pass near filter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 16:56
S58	2620	resonant with imag\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 17:06
S59	1450	frequency same S58	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 17:06
S60	228	S35 S59	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 17:06
S61	31	S59 same spectroscopy	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 17:06
S62	1	S61 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2007/03/02 17:06